

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S76	32	(US-20020113521-\$ or US-20030196477-\$ or US-20030076743-\$ or US-20050226773-\$).did. or (US-4378168-\$ or US-5155708-\$ or US-6122954-\$ or US-5869763-\$ or US-6640613-\$ or US-6568271-\$ or US-6244096-\$ or US-7109828-\$ or US-5162689-\$ or US-4353046-\$ or US-6777245-\$ or US-6044332-\$ or US-6304021-\$ or US-5527567-\$ or US-5852229-\$ or US-6314791-\$ or US-5135852-\$ or US-7165298-\$ or US-5306414-\$ or US-6293136-\$ or US-7219536-\$ or US-6120891-\$ or US-5571944-\$ or US-5838089-\$ or US-5744902-\$ or US-6037847-\$). did. or (US-6626026-\$ or US-5821425-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:09
S77	10	S76 and (counter or frequency with count\$4)	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:26
S78	1	"20050226773".pn.	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:31
S79	1	"6777245"	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:32
S80	1	"6044332".pn.	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:56
S81	1	"6044332".pn. and gas	US-PGPUB; USPAT	OR	OFF	2007/11/13 17:56
S82	17	("4312228"   "4726225"   "4895017"   "4947677"   "5076094"   "5508661"   "5736845").PN. OR ("6044332").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/13 18:08
S83	329	73/24.01.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/13 18:11
S84	86	S83 and (counter or frequency near3 count\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/13 18:12
S85	18	("2912854"   "3983424"   "4096740"   "4265124"   "4295102"   "4312228"   "4598224"   "4681855"   "4691714"   "4726225").PN. OR ("4947677").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/13 18:12

## EAST Search History

S86	18	("2912854"   "3983424"   "4096740"   "4265124"   "4295102"   "4312228"   "4598224"   "4681855"   "4691714"   "4726225").PN. OR ("4947677").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:40
S87	329	73/24.01.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:40
S88	86	S87 and (counter or frequency near3 count\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:41
S89	1	"6044332".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:41
S90	17	("4312228"   "4726225"   "4895017"   "4947677"   "5076094"   "5508661"   "5736845").PN. OR ("6044332").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:41
S91	1	"4947677".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 11:06
S92	18	("2912854"   "3983424"   "4096740"   "4265124"   "4295102"   "4312228"   "4598224"   "4681855"   "4691714"   "4726225").PN. OR ("4947677").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 09:41
S93	1461	73/38.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 11:09
S94	5	73/38.ccls. and oscillator with (plural\$4 or multi\$4 or many or two or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:22
S95	5	73/38.ccls. and (oscillator or oscillators) with (plural\$4 or multi\$4 or many or two or more)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:10
S96	120	73/38.ccls. and (feedback or loop)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:52
S98	0	"5065140".pn. and saw	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:30
S99	1	"5065140".pn. and (flexural or plate or mode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:30

## EAST Search History

S10 0	6351	"73".clas. and (feedback or loop) with (oscillator or circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:53
S10 1	372	"73".clas. and (feedback or loop) with (oscillator near3 circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 12:00
S10 2	1	"5117146".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 11:55
S10 3	250	"73".clas. and (feedback or loop) with (oscillator near3 circuit)	USPAT	OR	ON	2007/11/14 12:01
S10 4	57	"73".clas. and (feedback or loop) with (oscillator near3 circuit) and (saw or flexural near3 plate or acousitc near3 plate or quartz near2 crystal)	USPAT	OR	ON	2007/11/14 13:38
S10 5	57	"73".clas. and (feedback or loop) with (oscillator near3 circuit) and (saw or flexural near3 plate or acousitc near3 plate or quartz near2 crystal) and (sens\$4 or detect\$4)	USPAT	OR	ON	2007/11/14 13:42
S10 6	1	"5235235".pn. and (counter)	USPAT	OR	ON	2007/11/14 14:29
S10 7	1	"5235235".pn. and film	USPAT	OR	ON	2007/11/14 15:20
S10 8	1	"5235235".pn. and oscillator	USPAT	OR	ON	2007/11/14 15:20
S10 9	39	("5235235").URPN.	USPAT	OR	OFF	2007/11/14 15:34
S11 0	0	"5325704".pn. and counter	USPAT	OR	OFF	2007/11/14 15:34
S11 1	1	"5325704".pn. and frequency	USPAT	OR	OFF	2007/11/14 15:35
S11 2	28	("5325704").URPN.	USPAT	OR	OFF	2007/11/14 15:41
S11 3	11	S109 and (counter or frequency near3 count\$4)	USPAT	OR	OFF	2007/11/14 15:42
S11 4	1	"4312228".pn.	USPAT	OR	OFF	2007/11/14 15:46
S11 5	253	73/24.01.ccls.	USPAT	OR	OFF	2007/11/14 15:47
S11 6	253	73/24.01.ccls.	USPAT	OR	OFF	2007/11/15 10:58
S11 7	87	S116 and (frequency near3 (count\$4 or detect\$4))	USPAT	OR	OFF	2007/11/15 10:58

## EAST Search History

S11 8	39	("5235235").URPN.	USPAT	OR	OFF	2007/11/15 10:58
S11 9	28	("5325704").URPN.	USPAT	OR	OFF	2007/11/15 11:38
S12 0	1	"5571944".pn. and transducer	USPAT	OR	OFF	2007/11/15 11:48
S12 1	1	"20050226773".pn. and wc	US-PGPUB; USPAT	OR	OFF	2007/11/15 11:49
S12 2	1	"5489412".pn. and wc	US-PGPUB; USPAT	OR	OFF	2007/11/15 12:04
S12 3	65	(saw or acoustic near wave) near6 device and (tungsten near3 carbide or wc or cobalt) with (electrode or transducer or transduc\$4 or sens\$4)	US-PGPUB; USPAT	OR	OFF	2007/11/15 14:12
S12 4	160	(saw or acoustic near wave)and (tungsten near3 carbide or wc or cobalt) with (electrode or transducer or transduc\$4 or sens\$4)	USPAT	OR	OFF	2007/11/15 14:16
S12 5	28	(acoustic near3 wave)and (tungsten near3 carbide or wc or cobalt near2 silicon\$2) with (electrode or transducer or transduc\$4 or sens\$4)	USPAT	OR	OFF	2007/11/15 14:47
S12 6	1	(acoustic near3 wave)and (cobalt near2 silicide) with (electrode or transducer or transduc\$4 or sens\$4)	USPAT	OR	OFF	2007/11/15 14:48
S12 7	533	(cobalt near2 silicide) with (electrode or transducer or transduc\$4 or sens\$4)	USPAT	OR	OFF	2007/11/15 14:49
S12 8	1	(cobalt near2 silicide) with (electrode or transducer or transduc\$4 or sens\$4) and (acoustic near3 wave)	USPAT	OR	OFF	2007/11/15 14:48
S12 9	2	(cobalt near2 silicide) with (electrode or transducer or transduc\$4 or sens\$4) and "73". clas.	USPAT	OR	OFF	2007/11/15 14:49
S13 0	2	(cobalt near2 silicide) with (electrode or transducer or transduc\$4 or sens\$4) and "422". clas.	USPAT	OR	OFF	2007/11/15 14:49
S13 1	514	(cobalt near2 silicide) with (electrode or transducer or transduc\$4)	USPAT	OR	OFF	2007/11/15 14:50

## EAST Search History

S13 2	1	("5235235" "5571944" "5795993").pn. and rayleigh	USPAT	OR	OFF	2007/11/15 15:09
S13 3	0	"20050226773".pn. and rayleigh	US-PGPUB; USPAT	OR	OFF	2007/11/15 15:08
S13 4	25	rayleigh with leaky near2 acoustic	US-PGPUB; USPAT	OR	OFF	2007/11/15 15:08
S13 5	0	("5235235" "5571944" "5795993").pn. and leak\$3	USPAT	OR	OFF	2007/11/15 15:09
S13 6	0	("5235235" "5571944" "5795993").pn. and pseudo	USPAT	OR	OFF	2007/11/15 15:11
S13 7	0	("5235235" "5571944" "5795993").pn. and acoustic\$3 with vibrat\$4	USPAT	OR	OFF	2007/11/15 15:12
S13 8	0	"6075426".pn. and amplitude	USPAT	OR	OFF	2007/11/15 15:12
S13 9	2	("5235235" "5571944" "5795993").pn. and amplitude	USPAT	OR	OFF	2007/11/15 15:32
S14 0	3479	(saw or acoustic near2 wave) and (lithium adj niobate or lithium adj tantalate or langasite or epitax\$5 near5 (nitr\$6))	US-PGPUB; USPAT	OR	ON	2007/11/16 11:02
S14 1	1070	(saw or acoustic near2 wave) and (lithium adj niobate or lithium adj tantalate or langasite or epitax\$5 near5 (nitr\$6))	US-PGPUB	OR	ON	2007/11/16 11:02
S14 2	961	(saw or acoustic near2 wave) and (lithium adj niobate or lithium adj tantalate or langasite)	US-PGPUB	OR	ON	2007/11/16 11:02
S14 3	2282	(saw or acoustic near2 wave) and (lithium adj niobate or lithium adj tantalate or langasite)	USPAT	OR	ON	2007/11/16 11:02
S14 4	77	(saw or acoustic near2 wave) and (lithium adj niobate or lithium adj tantalate or langasite) with (sens\$4)	USPAT	OR	ON	2007/11/16 11:21
S14 5	1	"5076094".pn. and oscillat\$4	USPAT	OR	ON	2007/11/16 11:23
S14 6	1	"5795993".pn. and oscillat\$4	USPAT	OR	ON	2007/11/16 11:32
S14 7	1	"5795993".pn. and piezo\$	USPAT	OR	ON	2007/11/16 11:35
S14 8	1	"5571944".pn. and piezo\$	USPAT	OR	ON	2007/11/16 11:49
S14 9	1	"5235235".pn. and (sens\$4 or detect\$4)	USPAT	OR	ON	2007/11/16 11:50
S15 0	1	"5235235".pn. and (interaction or region or film)	USPAT	OR	ON	2007/11/16 11:50